

REMARKS**Claims 1 and 3-27 are Allowable**

The Office has rejected Claims 1-28 under 35 U.S.C. 102(b), as being anticipated by U.S. Patent App. Pub. No. 2002/0135683 A1 by Tamama, et al. ("Tamama"). Applicant respectfully traverses the rejection.

None of the cited references, including Tamama, disclose or suggest the specific combination of Claim 1. In contrast to Claim 1, Tamama discloses a digital still camera architecture, in which interpolation and other processing functions are performed on RGB data prior to its conversion to YUV data. (Tamama, Fig. 14, Para. 0370). Tamama does not disclose or suggest a RGB to YUV filter having an interpolation filter *within* a lumina filter path that includes a RGB to Y conversion, as recited in Claim 1. (See Tamama, Fig. 11a, Para. 0422-0424). Thus, Tamama does not disclose or suggest each and every element of Claim 1.

Claim 2 has been canceled without prejudice or disclaimer. Claims 3-11 depend from Claim 1, which Applicant has shown to be allowable. Thus, Tamama does not disclose or suggest at least one element of each of the Claims 3-11.

In addition, the dependent claims recite additional elements not disclosed or suggested in Tamama. For example, in contrast to Claim 7, Tamama discloses interpolation of RGB data prior to RGB to YUV conversion. (Tamama, Fig. 11a, Fig. 14, Para. 0370, 0422-0424). Tamama does not disclose interpolation *within* a chroma filter path that includes a RGB to UV conversion, as recited in Claim 7. For this additional reason, Claim 7 is allowable.

Additionally, in contrast to Claim 10, Tamama discloses a gamma correction module that precedes the RGB to YUV conversion module. (Tamama, Fig. 11a, Fig. 14, Para. 0370, 0422-0424). In fact, Tamama teaches that gamma correction can be performed after "all stages of the image pipeline processing," or "before the CFA interpolation stage." (Tamama, Para. 0094). Tamama does not disclose gamma correction *within* a chroma filter path that includes a RGB to UV conversion, as recited in Claim 10. For this additional reason, Claim 10 is allowable.

Further, none of the cited references, including Tamama, disclose or suggest the specific combination of Claim 12. In contrast to Claim 12, Tamama discloses a digital still camera architecture, in which gamma correction and other processing functions are performed on RGB data prior to its conversion to YUV data. (Tamama, Fig. 14, Para. 0370). Tamama does not disclose or suggest a method of converting RGB formatted video data to YUV formatted video data that includes filtering a block of RGB video data through a chroma filter path, wherein the chroma filter path includes an interpolation filter and a RGB to UV conversion, as recited in Claim 12. (See Tamama, Fig. 11a, Para. 0422-0424). Thus, Tamama does not disclose or suggest each and every element of Claim 12.

Claims 13-27 depend from Claim 12, which Applicant has shown to be allowable. Thus, Tamama does not disclose or suggest at least one element of each of the Claims 13-27.

In addition, the dependent claims recite additional elements not disclosed or suggested in Tamama. For example, in contrast to Claim 18, Tamama discloses a gamma correction module that precedes the RGB to YUV conversion module. (Tamama, Fig. 11a, Fig. 14, Para. 0370, 0422-0424). Tamama teaches that gamma correction can be performed after "all stages of the image pipeline processing," or "before the CFA interpolation stage." Tamama does not disclose a method that includes performing a gamma correction on a lumina Y data block, as recited in Claim 18. For this additional reason, Claim 18 is allowable.

Additionally, in contrast to Claim 19, Tamama discloses performing image processing functions other than variable size encoding prior to the RGB to YUV conversion module. (Tamama, Fig. 11a, Fig. 14, Para. 0370, 0422-0424). Tamama does not disclose performing an edge enhancement on the lumina Y data block, as recited in Claim 19. For this additional reason, Claim 19 is allowable.

Applicant has withdrawn Claim 28 without prejudice or disclaimer.

CONCLUSION

In view of the foregoing, Applicant respectfully submits that the present application is in condition for allowance and respectfully requests that the Examiner reconsider the application and issue a Notice of Allowance for all pending claims. If, for any reason, the Office is unable to allow the Application on the next Office Action, and believes a telephone interview would be helpful, the Examiner is respectfully requested to contact the undersigned attorney at the telephone number listed below.

The Commissioner is hereby authorized to charge any fees that may be required, or credit any overpayment, to Deposit Account Number 50-2469.

Respectfully submitted,

04-26-2006
Date

Chad M. Herring
Chad M. Herring, 41,067
Attorney for Applicant(s)
TOLER SCHAFFER, L.L.P.
5000 Plaza On The Lake, Suite 265
Austin, Texas 78746
(512) 327-5515 (phone)
(512) 327-5452 (fax)